

Title (en)

WELDING METHOD USING WELDING MATERIAL OF LOW TRANSFORMATION TEMPERATURE

Title (de)

SCHWEISSVERFAHREN UNTER VERWENDUNG VON SCHWEISSMATERIAL MIT NIEDRIGER UMWANDLUNGSTEMPERATUR

Title (fr)

PROCEDE DE SOUDAGE FAISANT APPEL A UN MATERIAU DE SOUDAGE PRESENTANT UNE FAIBLE TEMPERATURE DE TRANSFORMATION

Publication

EP 1550526 A1 20050706 (EN)

Application

EP 03797566 A 20030909

Priority

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- JP 2002262236 A 20020909

Abstract (en)

An arc welding method using a welding material having a low transformation temperature, characterized in that it is carried out by the use of a shielding gas consisting of a rare gas alone or a mixed gas of a rare gas and a small amount of an oxygen gas; and an additional welding method using a welding material having a low transformation temperature, characterized in that it is carried out while moving a weld line in the form of a straight line. The former method allows the enhancement of a Charpy value in combination with improved fatigue strength, and the latter allows the experience of heat history of the material having a low transformation temperature to be suppressed, resulting in the prevention of weld crack in combination with an improved fatigue strength. <IMAGE>

IPC 1-7

B23K 9/16; **B23K 9/23**; **B23K 35/30**

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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